



# SUBSTITUTE SHEET

## SEQUENCE LISTING

<110> Oxxon Therapeutics Limited

<120> RECOMBINANT POXVIRUS

<130> BWT-PT001.2

<140> 10/781,262

<141> 2004-02-18

<150> US 10/047,761

<151> 2002-01-15

<150> US 09/367,781

<151> 1999-11-22

<150> PCT/GB98/00569

<151> 1998-02-23

<150> GB 9800113.4

<151> 1998-01-05

<150> GB 9703592.7

<151> 1997-02-21

<160> 3

<170> PatentIn version 3.3

<210> 1

<211> 897

<212> DNA

<213> Vaccinia virus

<400> 1

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atgtactcgt tagtatttgt tattttgatg tgtataccat ttagttttca aacagtgtat 180

gatgataaat cggtatgcga ttctgacaat aaagaatata tgggaataga agtttatgta 240

gaagcaacgc tagacgaacc cctcagacaa acaacgtgtg aatccaaaat ccataaaatat 300

ggtgcatctg tatcaaacgg aggattaaat atttctgttg atctattaaa ctgttttctt 360

aattttcata cagttggtgt atacactaat cgcgataccg tatacgcgaa gtttgctagt 420

ttggatccat ggactacgga acctataaat tctatgacc atgacgatct agtaaaaatta 480

acagaagaat gtatagtgga catttattta aatgtgaag tggataaaaac aaaggatttc 540

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atgaaaacta acggtaatag attaaaacca agagacttta aaactgttcc tccttctaatt 600  
 gtaggaagca tgatagaact acagtctgac tattgcgtaa acgatgtgac tacatacgtc 660  
 aaaatatacg atgagtgtgg aaacattaaa cagcattcca ttccaacact aagagattat 720  
 tttaccacca agaatgggtca accacgtaaa atattaaaga aaaaatttga taattgttaa 780  
 ttgttatttt tataaaaaaca agaacgggtac ggcgatattt atttttttct aaaacatcta 840  
 accgaagtag tggtatgata aaaatgtagt gtaattgtta tatagtgtaa cacgaat 897

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 <211> 219  
 <212> PRT  
 <213> Vaccinia virus

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Met Tyr Ser Leu Val Phe Val Ile Leu Met Cys Ile Pro Phe Ser Phe  
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Gln Thr Val Tyr Asp Asp Lys Ser Val Cys Asp Ser Asp Asn Lys Glu  
 20 25 30

Tyr Met Gly Ile Glu Val Tyr Val Glu Ala Thr Leu Asp Glu Pro Leu  
 35 40 45

Arg Gln Thr Thr Cys Glu Ser Lys Ile His Lys Tyr Gly Ala Ser Val  
 50 55 60

Ser Asn Gly Gly Leu Asn Ile Ser Val Asp Leu Leu Asn Cys Phe Leu  
 65 70 75 80

Asn Phe His Thr Val Gly Val Tyr Thr Asn Arg Asp Thr Val Tyr Ala  
 85 90 95

Lys Phe Ala Ser Leu Asp Pro Trp Thr Thr Glu Pro Ile Asn Ser Met  
 100 105 110

Thr His Asp Asp Leu Val Lys Leu Thr Glu Glu Cys Ile Val Asp Ile  
 115 120 125

Tyr Leu Lys Cys Glu Val Asp Lys Thr Lys Asp Phe Met Lys Thr Asn  
 130 135 140

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Gly Asn Arg Leu Lys Pro Arg Asp Phe Lys Thr Val Pro Pro Ser Asn  
145 150 155 160

Val Gly Ser Met Ile Glu Leu Gln Ser Asp Tyr Cys Val Asn Asp Val  
165 170 175

Thr Thr Tyr Val Lys Ile Tyr Asp Glu Cys Gly Asn Ile Lys Gln His  
180 185 190

Ser Ile Pro Thr Leu Arg Asp Tyr Phe Thr Thr Lys Asn Gly Gln Pro  
195 200 205

Arg Lys Ile Leu Lys Lys Lys Phe Asp Asn Cys  
210 215

<210> 3  
<211> 258  
<212> PRT  
<213> Vaccinia virus

<400> 3

Met Lys Gln Tyr Ile Val Leu Ala Cys Met Cys Leu Ala Ala Ala Ala  
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Met Pro Ala Ser Leu Gln Gln Ser Ser Ser Ser Ser Ser Cys Thr  
20 25 30

Glu Glu Glu Asn Lys His His Met Gly Ile Asp Val Ile Ile Lys Val  
35 40 45

Thr Lys Gln Asp Gln Thr Pro Thr Asn Asp Lys Ile Cys Gln Ser Val  
50 55 60

Thr Glu Ile Thr Glu Ser Glu Ser Asp Pro Asp Pro Glu Val Glu Ser  
65 70 75 80

Glu Asp Asp Ser Thr Ser Val Glu Asp Val Asp Pro Pro Thr Thr Tyr  
85 90 95

Tyr Ser Ile Ile Gly Gly Gly Leu Arg Met Asn Phe Gly Phe Thr Lys

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100

105

110

Cys Pro Gln Ile Lys Ser Ile Ser Glu Ser Ala Asp Gly Asn Thr Val  
 115 120 125

Asn Ala Arg Leu Ser Ser Val Ser Pro Gly Gln Gly Lys Asp Ser Pro  
 130 135 140

Ala Ile Thr Arg Glu Glu Ala Leu Ala Met Ile Lys Asp Cys Glu Val  
 145 150 155 160

Ser Ile Asp Ile Arg Cys Ser Glu Glu Glu Lys Asp Ser Asp Ile Lys  
 165 170 175

Thr His Pro Val Leu Gly Ser Asn Ile Ser His Lys Lys Val Ser Tyr  
 180 185 190

Glu Asp Ile Ile Gly Ser Thr Ile Val Asp Thr Lys Cys Val Lys Asn  
 195 200 205

Leu Glu Phe Ser Val Arg Ile Gly Asp Met Cys Lys Glu Ser Ser Glu  
 210 215 220

Leu Glu Val Lys Asp Gly Phe Lys Tyr Val Asp Gly Ser Ala Ser Glu  
 225 230 235 240

Gly Ala Thr Asp Asp Thr Ser Leu Ile Asp Ser Thr Lys Leu Lys Ala  
 245 250 255

Cys Val